AMENDMENTS TO THE SPECIFICATION

Please add the following Abstract to the specification:

ABSTRACT OF THE DISCLOSURE

Disclosed herein are methods and systems for producing hemostasis, tissue closure, or vessel closure by inserting a thermal delivery probe into a passageway and emitting thermal energy from the probe to produce the hemostasis or tissue closure. These methods and systems may be used following a percutaneous medical procedure that creates a passageway in tissue of patient, such as is caused by introduction of an access device into the patient. The thermal delivery probe may have one or more ultrasound transducers positioned in an elongated shaft.